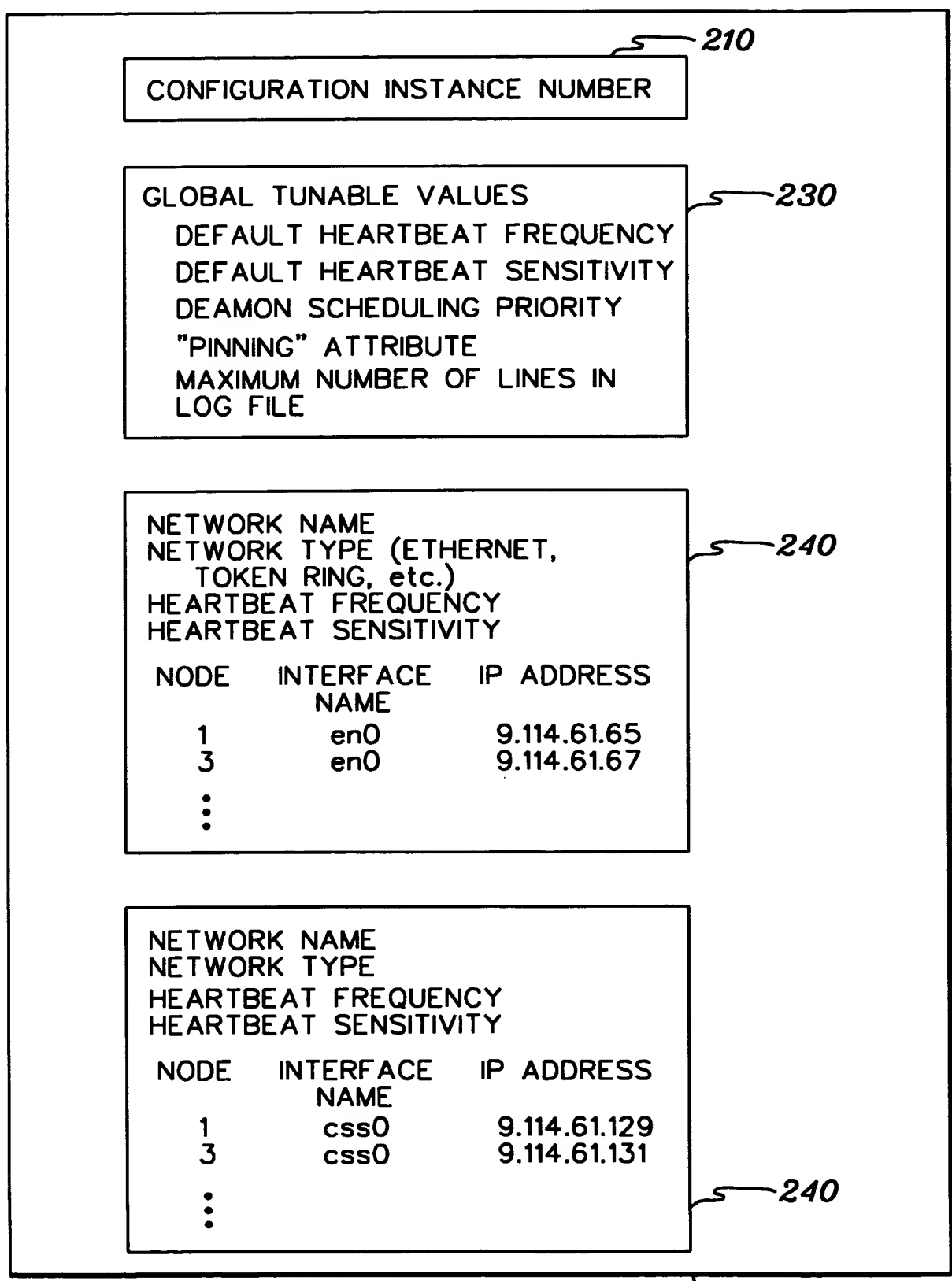


fig. 1



CONFIGURATION INSTANCE NUMBER

GLOBAL TUNABLE VALUES
 DEFAULT HEARTBEAT FREQUENCY
 DEFAULT HEARTBEAT SENSITIVITY
 DEAMON SCHEDULING PRIORITY
 "PINNING" ATTRIBUTE
 MAXIMUM NUMBER OF LINES IN LOG FILE

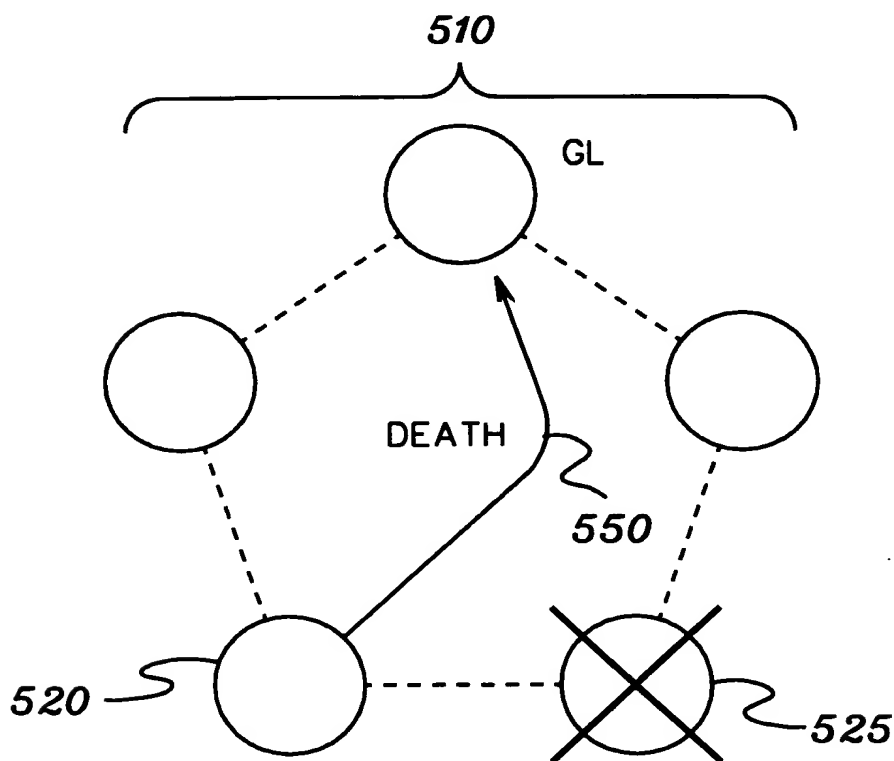
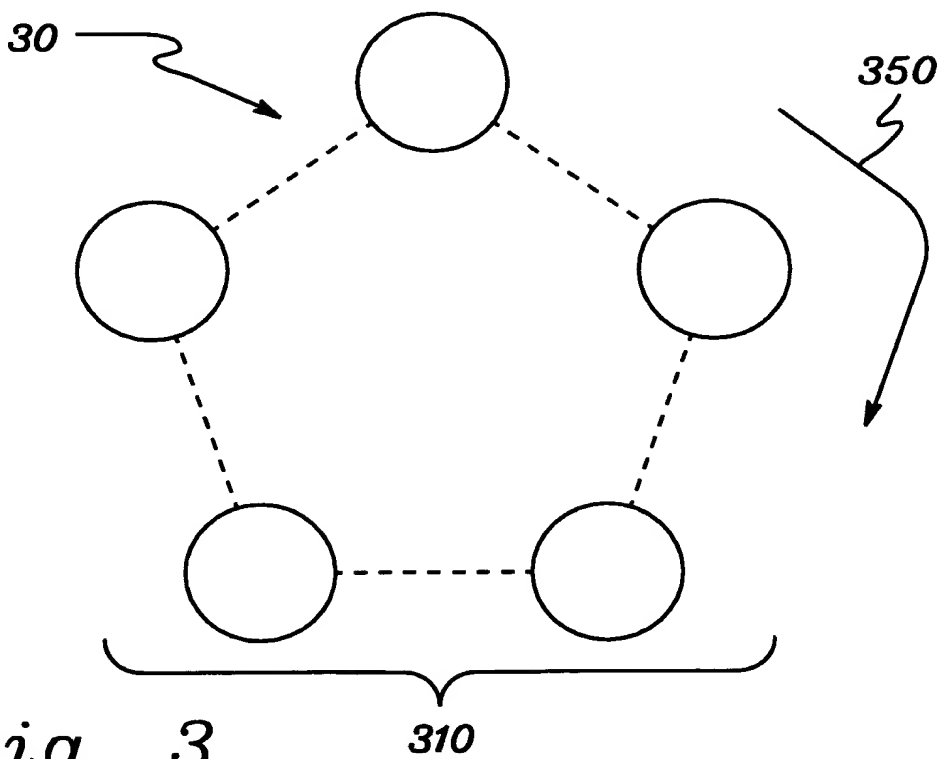
NETWORK NAME
 NETWORK TYPE (ETHERNET,
 TOKEN RING, etc.)
 HEARTBEAT FREQUENCY
 HEARTBEAT SENSITIVITY

NODE	INTERFACE NAME	IP ADDRESS
1	en0	9.114.61.65
3	en0	9.114.61.67
⋮		

NETWORK NAME
 NETWORK TYPE
 HEARTBEAT FREQUENCY
 HEARTBEAT SENSITIVITY

NODE	INTERFACE NAME	IP ADDRESS
1	css0	9.114.61.129
3	css0	9.114.61.131
⋮		

fig. 2



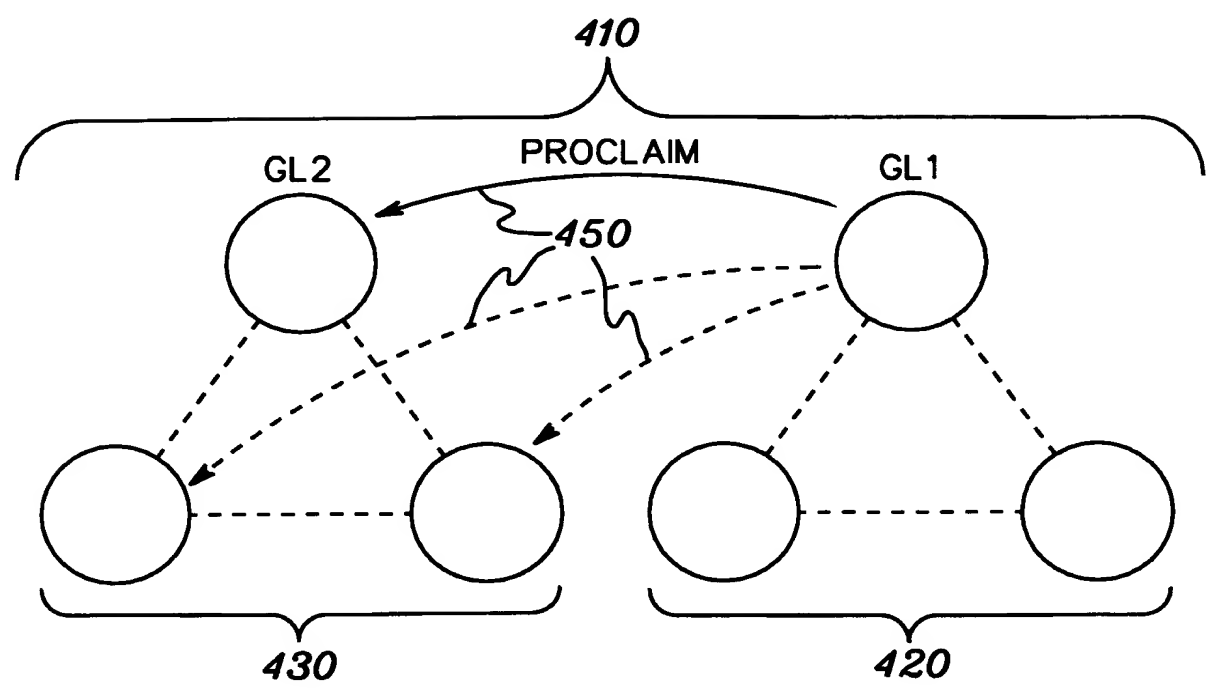


fig. 4a

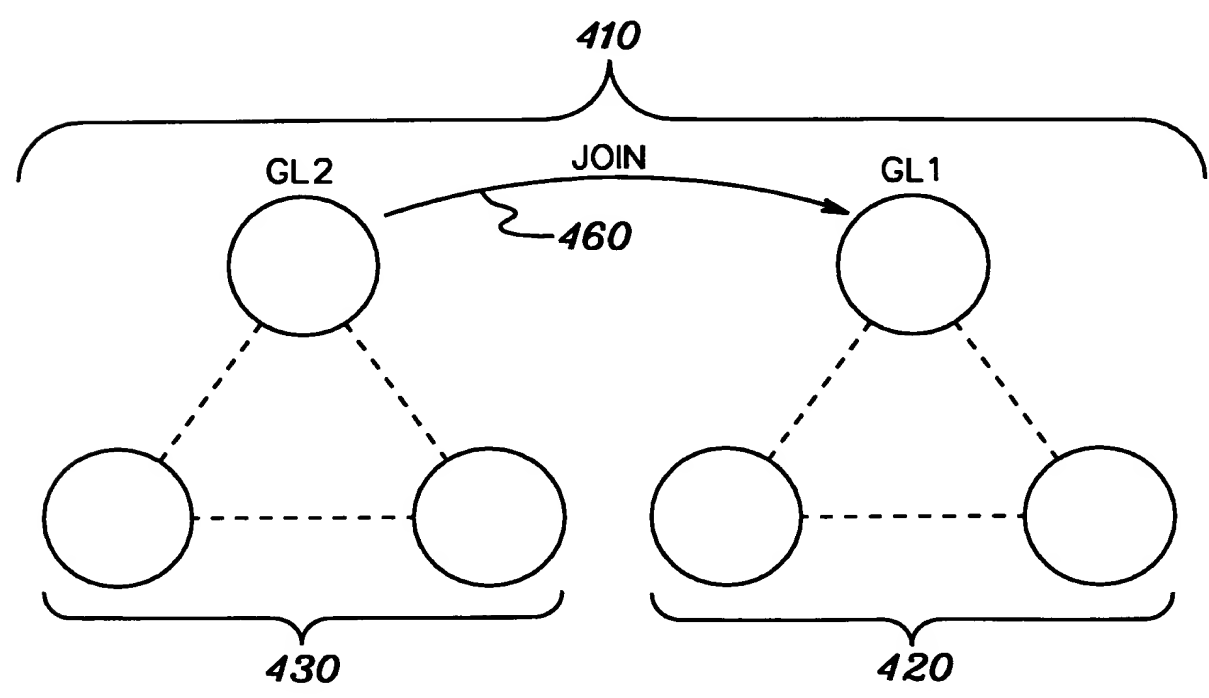


fig. 4b

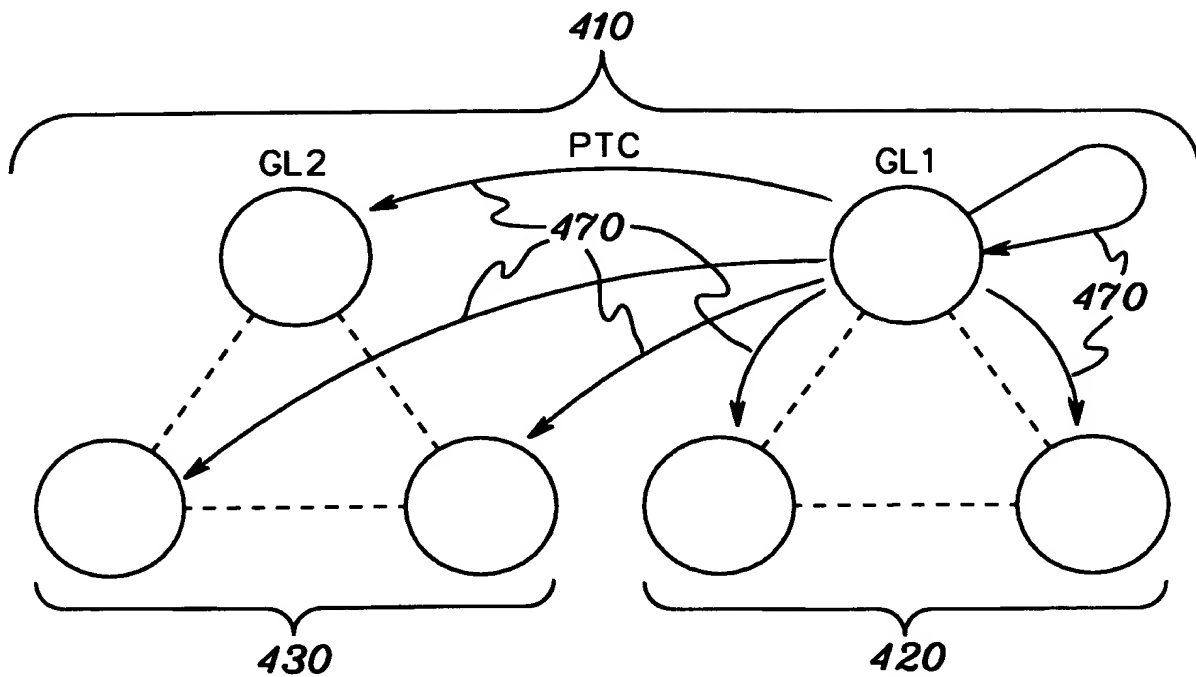


fig. 4c

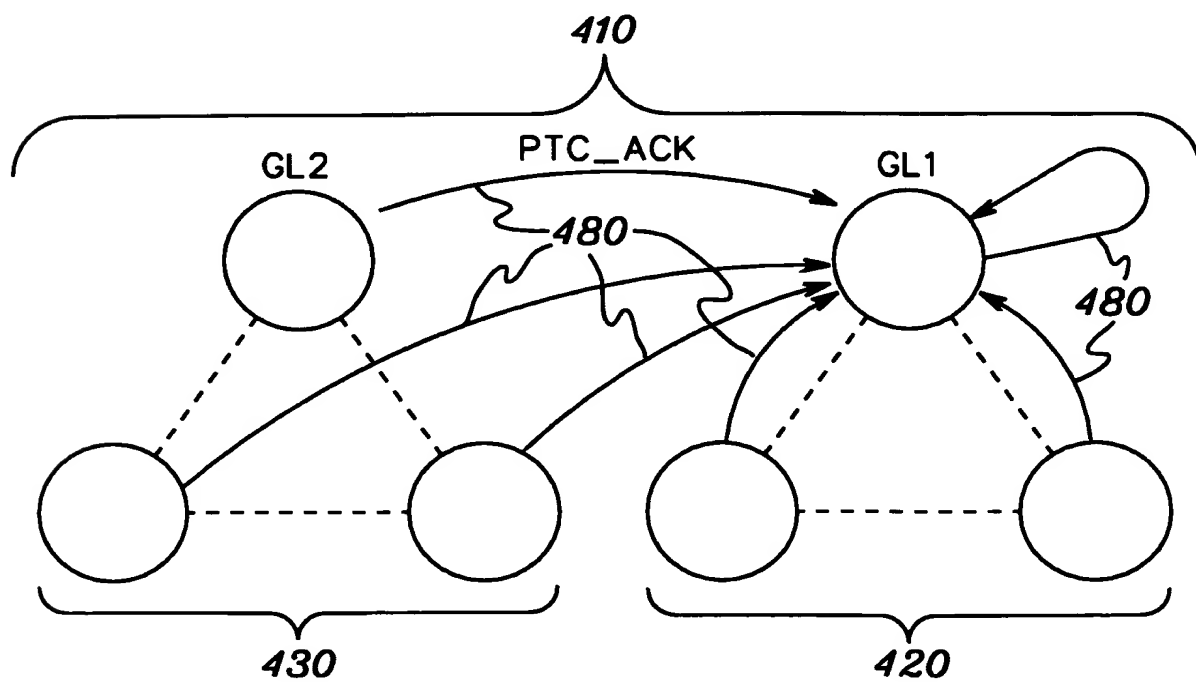


fig. 4d

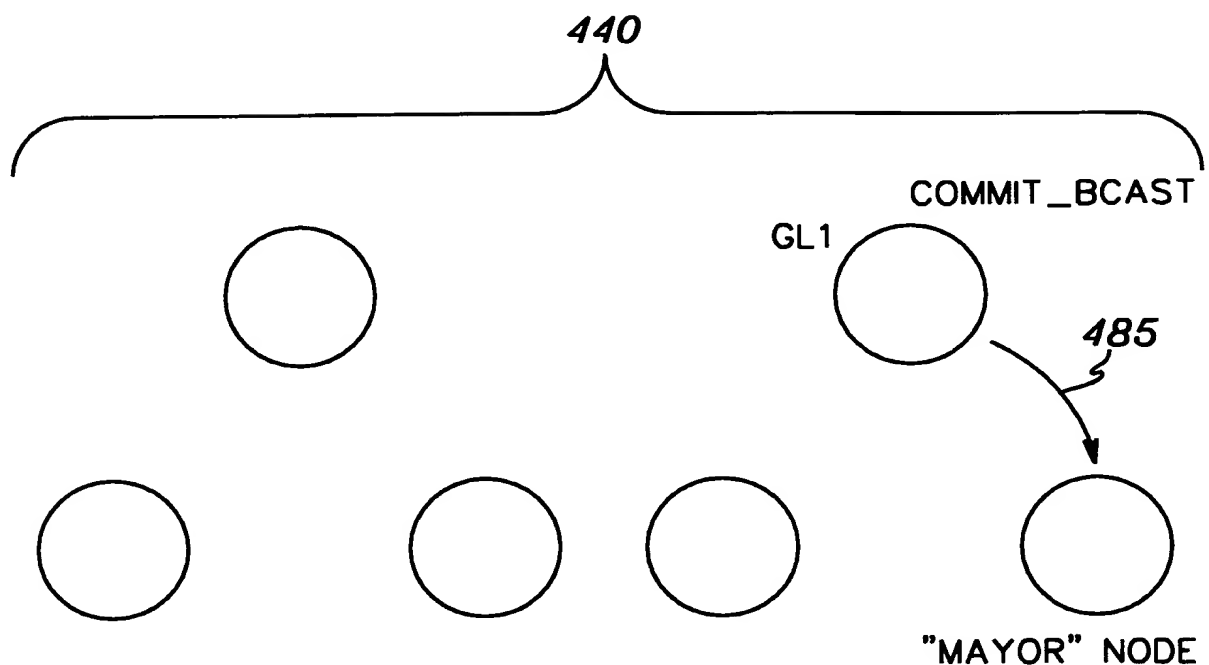


fig. 4e

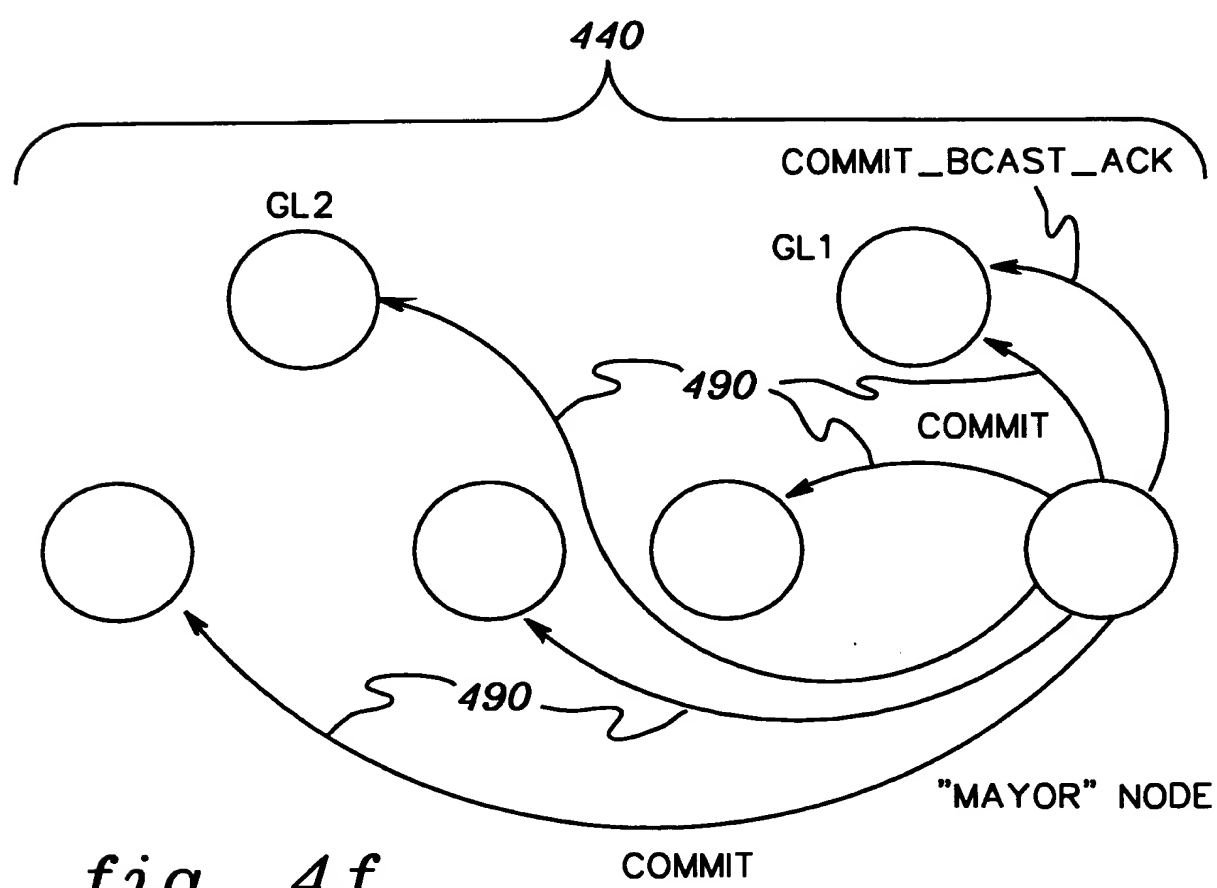


fig. 4f

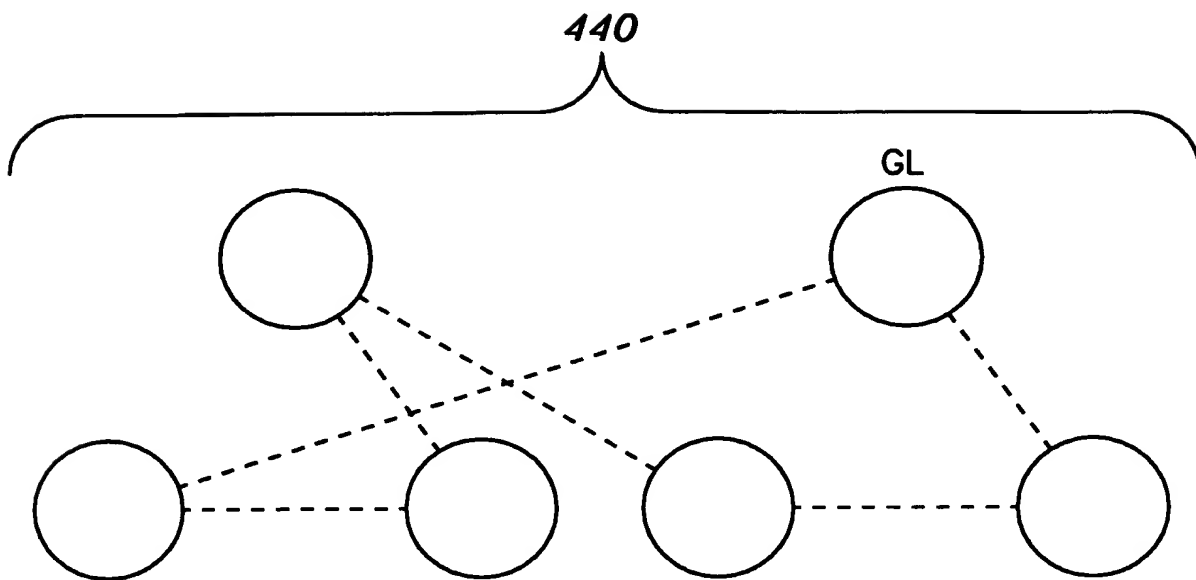


fig. 4g

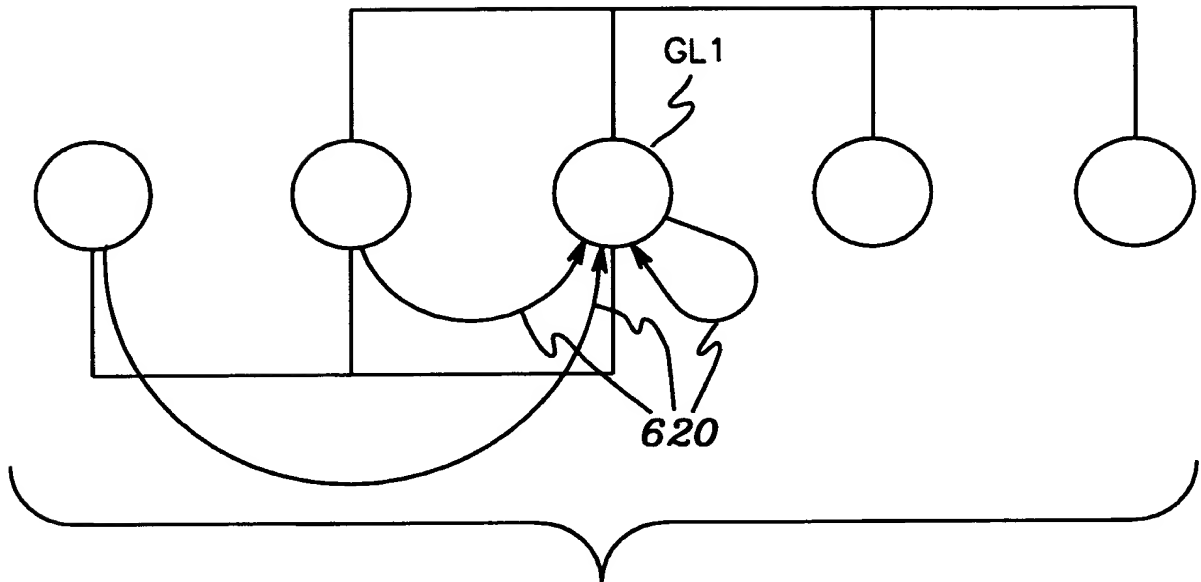


fig. 6a

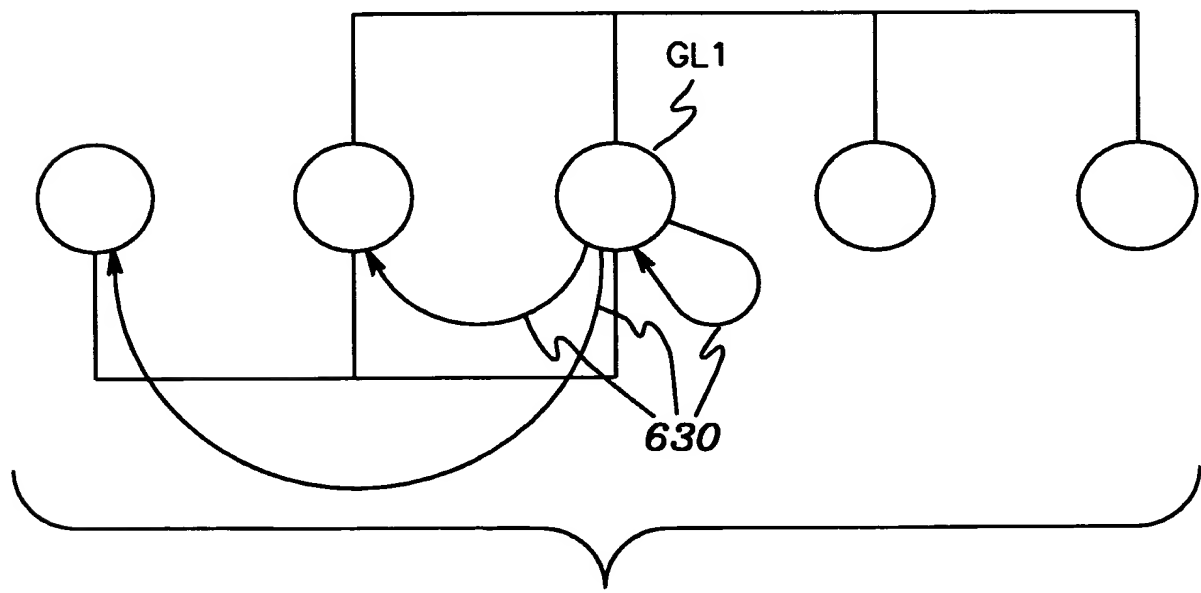


fig. 6b

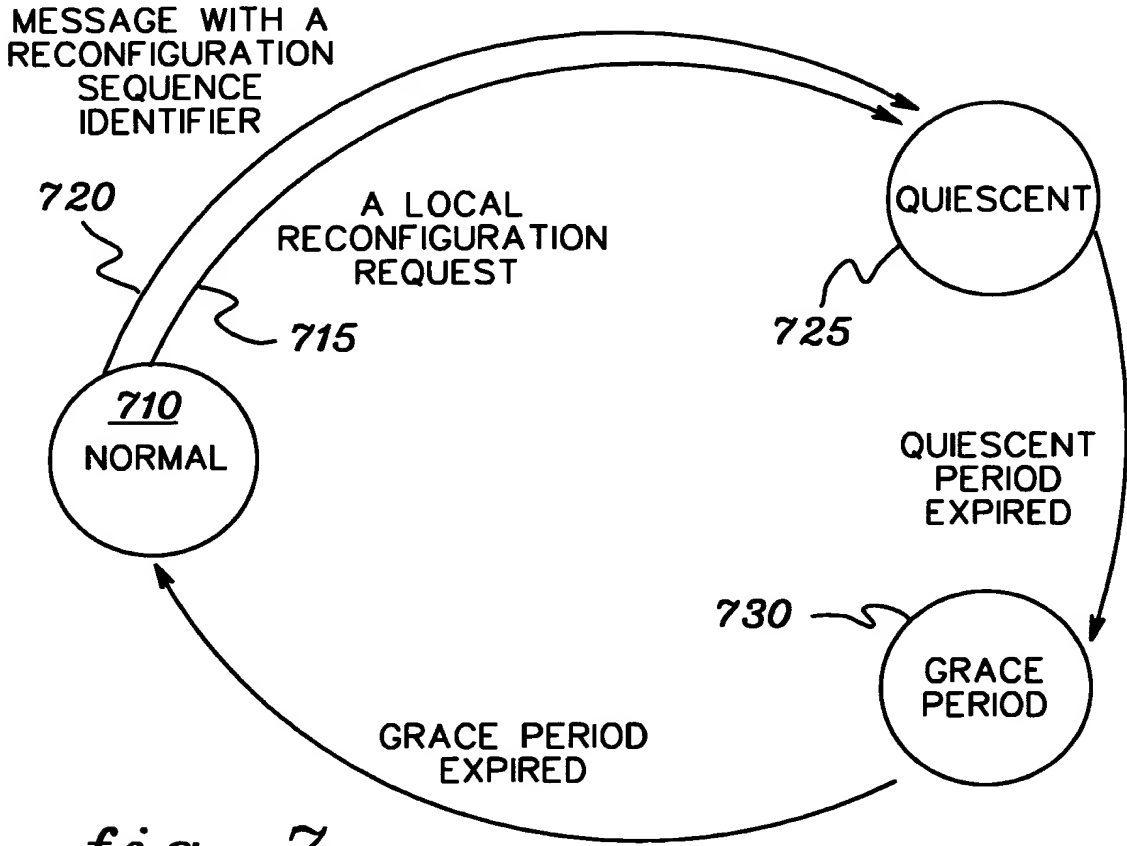


fig. 7

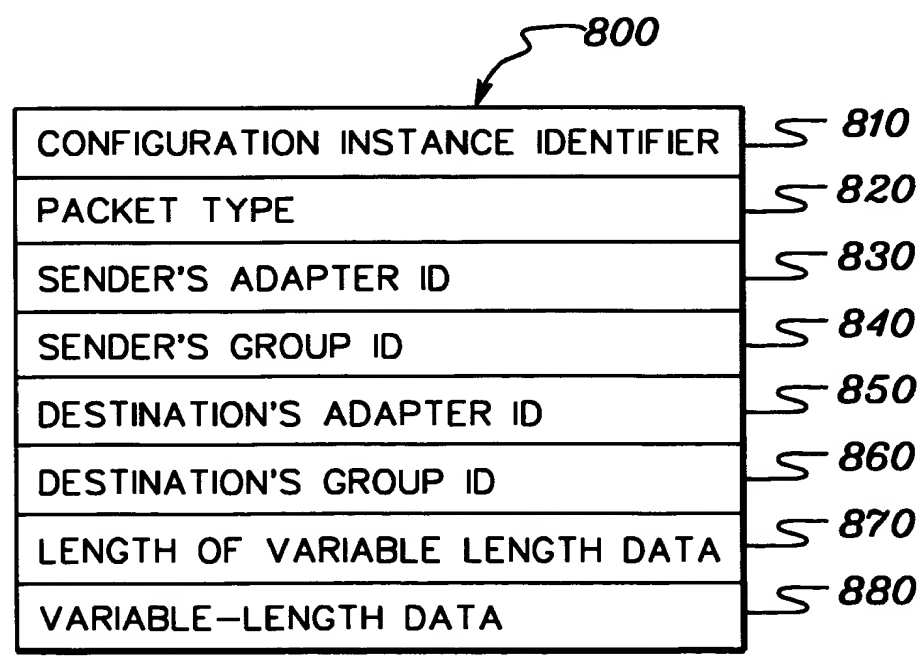


fig. 8

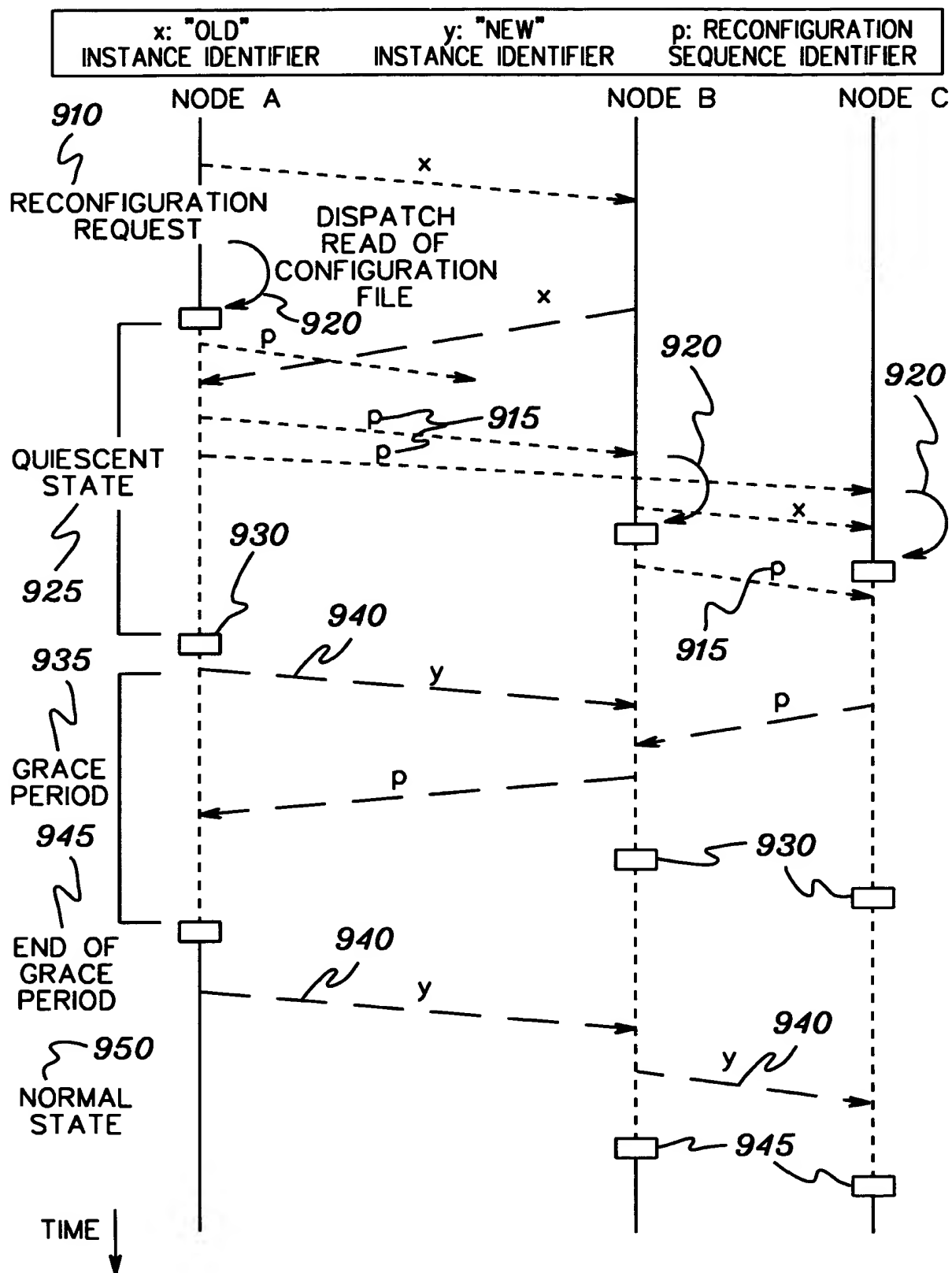


fig. 9

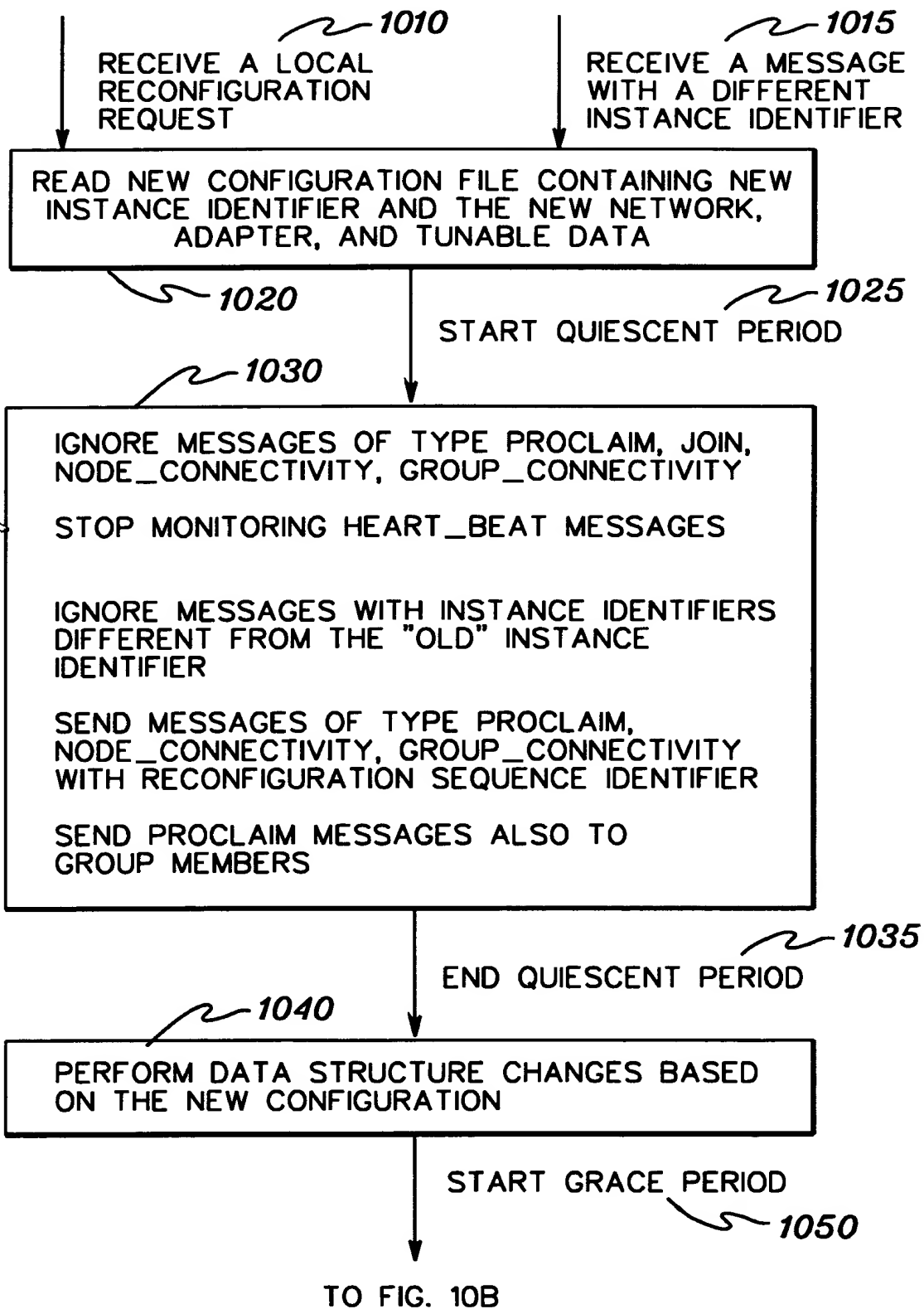


fig. 10A

FROM FIG. 10A



1055

SEND ALL MESSAGES WITH "NEW" INSTANCE IDENTIFIER

HONOR ALL MESSAGES THAT COME WITH "NEW" INSTANCE IDENTIFIER, START NEW PROTOCOLS IF NEEDED

DO NOT MONITOR FOR INCOMING HEART_BEAT PACKETS

DO NOT RECOMPUTE THE SET OF REACHABLE NODES

INDEFINITELY RETRY SENDING PROTOCOL MESSAGES AS NEEDED

END GRACE PERIOD

1065



KEEP SENDING AND ACCEPTING MESSAGES WITH "NEW" INSTANCE IDENTIFIER

RECOMPUTE THE SET OF REACHABLE NODES

RESUME REINFORCING A LIMIT IN THE NUMBER OF RETRIES

RESUME MONITORING OF HEART_BEAT MESSAGES

fig. 10B